VII. (silent) Oracle Software 설치 + applyRU

1. Oracle software 설치를 위한 파일 압축 해제

oracle 유저에서 ORACLE_HOME에 Oracle software 파일 unzip

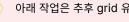
```
unzip /media/V982063-01.zip -d $ORACLE_HOME
```

```
root@SON media]# su - oracle
 SONNY@oracle:~]$
[SONNY@oracle:~]$ unzip /media/V982063-01.zip -d $ORACLE_HOME
Archive: /media/V982063-01.zip
    creating: /u01/app/oracle/product/dbhome 1/drdaas/
   creating: /u01/app/oracle/product/dbhome_1/drdaas/admin/
inflating: /u01/app/oracle/product/dbhome_1/drdaas/admin/drdasqtt_translator_setup.sql
inflating: /u01/app/oracle/product/dbhome_1/drdaas/admin/drdapkg_db2.sql
   inflating: /u01/app/oracle/product/dbhome_1/drdaas/admin/drdaas.ora
```

2. Opatch 버전 확인 및 최신 버전으로 업데이트

• 전제 조건: 19.23.0.0 으로 patch 하기 위해서는 OPatch 버전이 12.2.0.1.41 이상이어야 한다.

You must use the OPatch utility version 12.2.0.1.41 or later to apply this patch



아래 작업은 추후 grid 유저와 oracle 유저 각각에서 모두 수행

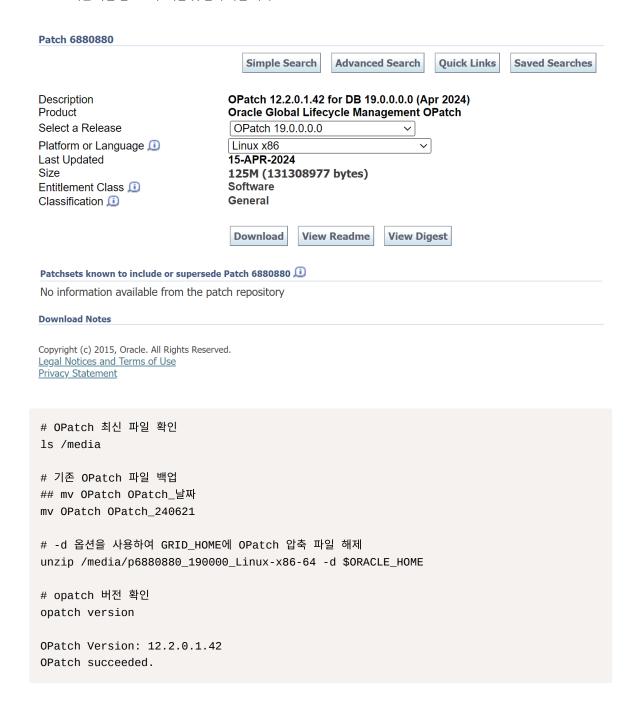
- 패치가 적용되는 모든 Oracle RAC 데이터베이스 홈과 Grid 홈에서 새 OPatch 유틸리티를 업데이트해야 합니다
- 1. OPatch 버전 확인

```
[SONNY@oracle:dbhome_1]$ opatch version
OPatch Version: 12.2.0.1.17
OPatch succeeded.
```

[SONNY@oracle:dbhome_1]\$ opatch version OPatch Version: 12.2.0.1.17

OPatch succeeded.

3. OPatch 최신 파일 업로드 후 백업 및 압축 파일 해제



[SONNY@oracle:dbhome_1]\$ opatch version OPatch Version: 12.2.0.1.42

OPatch succeeded.

```
[SONNY@oracle:dbhome_1]$ ls
                           diagnostics
                                                                                           sqlplus
                                                                           root.sh.old.1
                           drdaas
                                                                perl
                                                                           runInstaller
                                                                                           suptools
                                                                           schagent.conf
                           dv
                                            idk
                           env.ora
                                                                           sdk
apex
                                            ldap
                                                       oracore
                                                                           slax
                                                                           sqldeveloper
               dbs
                                                                rdbms
                                                                                           wwg
                deinstall
bin
                                                       ords
                                           mgw
```

3. Oracle SW 설치를 위한 Response file 작성

Oracle SW 및 DB 설치를 위한 Response file 사용

• 위치: \$ORACLE_HOME/install/response

```
[SONNY@oracle:~]$ cd $ORACLE_HOME/install/response
[SONNY@oracle:response]$ ls
db_install.rsp
[SONNY@oracle:response]$
[SONNY@oracle:response]$ cp db_install.rsp db_install1.rsp
[SONNY@oracle:response]$ ls
db_install.rsp db_install1.rsp
[SONNY@oracle:response]$ vi db_install1.rsp
```

• response file 내용 요약

```
oracle.install.responseFileVersion=/oracle/install/rspfmt_dbinstall_response_schema_v1 9.0.0

# 설치 옵션 지정
oracle.install.option=INSTALL_DB_SWONLY

# Oracle SW를 설치할 때 사용할 UNIX그룹 이름 지정
UNIX_GROUP_NAME=dba

# Oracle Inventory 디렉토리 위치 지정
INVENTORY_LOCATION=/u01/app/oraInventory

# Oracle SW가 설치될 Oracle HOME 디렉토리 지정
ORACLE_HOME=/u01/app/oracle/product/dbhome_1

# Oracle Base 디렉토리 위치 지정
ORACLE_BASE=/u01/app/oracle
```

```
# 설치할 Oracle DB 에디션 지정
oracle.install.db.InstallEdition=EE

# group 이름 지정
oracle.install.db.OSDBA_GROUP=dba
oracle.install.db.OSOPER_GROUP=dba
oracle.install.db.OSBACKUPDBA_GROUP=dba
oracle.install.db.OSBACKUPDBA_GROUP=dba
oracle.install.db.OSKMDBA_GROUP=dba
oracle.install.db.OSRACDBA_GROUP=dba
oracle.install.db.OSRACDBA_GROUP=dba

# root 스크립트 자동 실행 여부 지정
oracle.install.db.rootconfig.executeRootScript=false
```

```
[SONNY@oracle:~]$ cd $ORACLE_HOME/install/response
[SONNY@oracle:response]$ ls
db_install.rsp
[SONNY@oracle:response]$
[SONNY@oracle:response]$ cp db_install.rsp db_install1.rsp
[SONNY@oracle:response]$
[SONNY@oracle:response]$ ls
db_install.rsp db_install1.rsp
[SONNY@oracle:response]$
[SONNY@oracle:response]$
[SONNY@oracle:response]$
[SONNY@oracle:response]$ vi db_install1.rsp
```

4. 설치 전 사전 점검 수행

```
su - oracle
cd $ORACLE_HOME

./runInstaller -silent -responseFile $ORACLE_HOME/install/response/db_install1.rsp -ex
ecutePrereqs
```

```
[SONNY@oracle:dbhome_1]$ ./runInstaller -silent -responseFile $ORACLE_HOME/install/response/db_install1.rsp -executePrereqs
Launching Oracle Database Setup Wizard...

Prerequisite checks executed successfully.
```

5. applyRU 를 사용하여 패치 및 Oracle SW 설치 진행

```
su - oracle
cd $ORACLE_HOME

./runInstaller -silent -responseFile -applyRU /media/unzipped_patch/36233126 $ORACLE_H
OME/install/response/db_install1.rsp -ignorePrereqFailure
```

./runInstaller -silent -responseFile \$ORACLE_HOME/install/response/db_install1.rsp -ig norePrereqFailure

• 패치 먼저 수행 됨

[SONNY@oracle:dbhome_1]\$./runInstaller -silent -responseFile -applyRU /media/unzipped_patch/36233126 \$ORACLE_HOME/i nstall/response/db_install.rsp -ignorePrereqFailure Preparing the home to patch... Applying the patch /media/unzipped_patch/36233126... Successfully applied the patch.

• 그 후 설치

Launching Oracle Database Setup Wizard...

[WARNING] [INS-13014] Target environment does not meet some optional requirements.

CAUSE: Some of the optional prerequisites are not met. See logs for details. /u01/a pp/oraInventory/logs/InstallActions2024-06-21_04-25-32PM/installActions2024-06-21_04-25-32PM.log

ACTION: Identify the list of failed prerequisite checks from the log: /u01/app/oraI nventory/logs/InstallActions2024-06-21_04-25-32PM/installActions2024-06-21_04-25-32PM. log. Then either from the log file or from installation manual find the appropriate configuration to meet the prerequisites and fix it manually.

The response file for this session can be found at:

/u01/app/oracle/product/dbhome_1/install/response/db_2024-06-21_04-25-32PM.rsp

You can find the log of this install session at:

/u01/app/oraInventory/logs/InstallActions2024-06-21_04-25-32PM/installActions2024-06-21_04-25-32PM.log

As a root user, execute the following script(s):

1. /u01/app/oracle/product/dbhome_1/root.sh

Execute /u01/app/oracle/product/dbhome_1/root.sh on the following nodes:
[SON]

Successfully Setup Software with warning(s).

```
[SONNY@oracle:dbhome_j]$ ./runInstaller -silent -responseFile $ORACLE_HOME/install/response/db_install1.rsp -ignorePrereqFailure
Launching Oracle Database Setup Wizard...

[MARNING] [INS-13014] Target environment does not meet some optional requirements.

CAUSE: Some of the optional prerequisites are not met. See logs for details. //u01/app/oraInventory/logs/InstallActions2024-06-21_04-25-32PM/installActions2024-06-21_04-25-32PM log

ACTION: Identify the list of failed prerequisite checks from the log: //u01/app/oraInventory/logs/InstallActions2024-06-21_04-25-32PM/installActions2024-06-21_04-25-32PM.log. Then either from the log file or from installation manual find the appropriate configuration to meet the prerequisites and fix it manually.

The response file for this session can be found at:
//u01/app/oracle/product/dbhome_1/install/response/db_2024-06-21_04-25-32PM.rsp

You can find the log of this install session at:
//u01/app/oralinventory/logs/InstallActions2024-06-21_04-25-32PM/installActions2024-06-21_04-25-32PM.log

As a root user, execute the following script(s):

1. //u01/app/oracle/product/dbhome_1/root.sh on the following nodes:
[SON]

Successfully Setup Software with warning(s).
```

• 로그 확인 : IGNORABLE 이라서 무시하고 진행

6. 스크립트 수행

[SONNY@oracle:dbhome_1]\$./runInstaller -silent -responseFile \$ORACLE_HOME/install/res ponse/db_install1.rsp -ignorePrereqFailure Launching Oracle Database Setup Wizard...

[WARNING] [INS-13014] Target environment does not meet some optional requirements.

CAUSE: Some of the optional prerequisites are not met. See logs for details. /u01/a pp/oraInventory/logs/InstallActions2024-06-21_04-25-32PM/installActions2024-06-21_04-25-32PM.log

ACTION: Identify the list of failed prerequisite checks from the log: /u01/app/oraI nventory/logs/InstallActions2024-06-21_04-25-32PM/installActions2024-06-21_04-25-32PM. log. Then either from the log file or from installation manual find the appropriate configuration to meet the prerequisites and fix it manually.

The response file for this session can be found at:

/u01/app/oracle/product/dbhome_1/install/response/db_2024-06-21_04-25-32PM.rsp

You can find the log of this install session at:

 $\label{local-constallactions} $$ \u01/app/oraInventory/logs/Installactions 2024-06-21_04-25-32PM/installactions 2024-06-21_04-25-32PM.log$

As a root user, execute the following script(s):

1. /u01/app/oracle/product/dbhome_1/root.sh

Execute /u01/app/oracle/product/dbhome_1/root.sh on the following nodes: [SON]

Successfully Setup Software with warning(s).

• root에서 아래 수행

/u01/app/oracle/product/dbhome_1/root.sh

7. 오라클 소프트웨어가 잘 설치되었는지 확인

1. sqlplus 접속 되는지 확인

```
[SONNY@oracle:~]$ sqlplus / as sysdba

SQL*Plus: Release 19.0.0.0.0 - Production on Fri Jun 21 16:38:43 2024

Version 19.23.0.0.0

Copyright (c) 1982, 2023, Oracle. All rights reserved.

Connected to an idle instance.
```

```
[SONNY@oracle:~]$ sqlplus / as sysdba

SQL*Plus: Release 19.0.0.0.0 - Production on Fri Jun 21 16:38:43 2024

Version 19.23.0.0.0

Copyright (c) 1982, 2023, Oracle. All rights reserved.

Connected to an idle instance.
```

8. 패치가 잘 수행 되었는지 확인

오라클 소프트웨어 버전 확인 버전 확인

```
su - oracle
opatch lspatches

[SONNY@oracle:~]$ opatch lspatches
36240578;OCW RELEASE UPDATE 19.23.0.0.0 (36240578)
36233263;Database Release Update : 19.23.0.0.240416 (36233263)

OPatch succeeded.
```

```
[SONNY@oracle:~]$ opatch lspatches 36240578;0CW RELEASE UPDATE 19.23.0.0.0 (36240578) 36233263;Database Release Update : 19.23.0.0.240416 (36233263) OPatch succeeded.
```